



TPU BELTS

THERMOPLASTIC POLYURETHANE

GATES TPU SYNCHRO-POWER™

WSTD8

WHERE OTHERS SEE A BELT, WE SEE A SOLUTION THAT CAN BENEFIT OUR CUSTOMERS

Gates TPU Wide Belts deliver the ideal solution for conveying applications wider than 150mm width including precise product positioning, even tension, and smooth-running operation. High strength aramid cords ensure even belt tension for smooth operation while tough polyurethane is cut resistance and non-marking - an ideal belt for abrasive environments. Our clean, abrasion resistant, and smooth drive wide belts offer easy replacement of both plastic modular and conveyor belting. WSTD8 is the latest addition to this product line.

Gates TPU belts combine the durability of Gates quality products with optimal lead times and a reliable partnership - making Gates TPU belts the number one choice for polyurethane belts.

FEATURES + BENEFITS

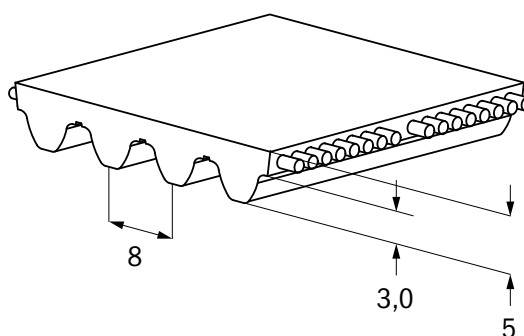
- Aramid reinforcement
- Excellent resistance to chemicals and corrosion
- Option for nylon fabric on both tooth and backside of belt
- Optional FDA conforming and EU certified resin
- Available in widths up to 450mm

WSTD8 / PITCH: 8MM



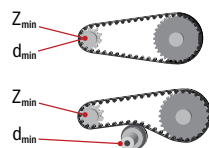
PRODUCT DATA

PITCH	8 mm
STANDARD THICKNESS	5,0mm
MINIMUM WELDED BELT LENGTH	952 mm
STANDARD ROLL LENGTH (TOLERANCE $\pm 1\%$)	60 m
STANDARD COLOR	White
FDA/EU APPROVAL	Optional
POLYAMIDE FABRIC	Optional NT, NB & NTB



MIN PULLEY TOOTH COUNT AND DIAMETER

NO BACK BENDING
BACK BENDING



	ARAMID
z min	20 teeth
d min	51mm
z min	22 teeth
d min	110mm

POLYURETHANE	HARDNESS [°SHORE A]	TEMPERATURE RANGE [°C]	FEATURE
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
FDA	85	-10 to +60	

TECHNICAL DATA

STANDARD WIDTH [MM]	UNIT	150	200	250	300	450
BREAKING FORCE / AVERAGE VALUE						
Aramid (K)	[N]	50.713	67.977	85.241	102.505	154.297
ALLOWABLE BELT FORCE / OPEN ENDED						
Aramid (K)	[N]	8.225	11.025	13.825	16.625	25.025
ALLOWABLE BELT FORCE / ENDLESS WELDED						
Aramid (K)	[N]	4.113	5.513	6.913	8.313	12.513
ALLOWABLE EFFECTIVE FORCE / MINIMUM 12 TEETH IN MESH						
	[N]	13.950	18.600	23.250	27.900	41.850
BELT WEIGHT						
Aramid (K)	[kg/m]	0,4	0,5	0,6	0,7	1,1
SPECIFIC BELT STIFFNESS						
Aramid (K)	[N]	1.370.833	1.837.500	2.304.167	2.770.831	4.170.834